

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A method of modifying a memory in a battery unit of a mobile information handling device comprising:
assigning a predetermined data word to an available address in memory;
receiving data in a non-reprogrammable section of the memory;
modifying a programmable section of the memory if the received data complies with the predetermined data word; and
performing a checksum of registers in the memory, whereby the foregoing is accomplished by:
providing a processor;
interfacing a controller between the processor and the battery unit for checking battery unit presence;
coupling a monitor to the processor to determine the battery unit updating requirements; and
coupling a flash device to the processor for providing an updated battery unit configuration;
the battery unit including a first and a second battery, the first battery providing power to the device while the second battery recharges; and
a keyboard controller coupled to the device to determine which battery provides the power.

2. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 1 further comprising:
multiplexing the received data with a control signal before the non-programmable section of the memory receives the data.

3. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 1 further comprising: performing additional security measures prior to modifying the programmable section of the memory.

4. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 2 further comprising: performing additional security measures prior to modifying the programmable section of the memory.

5. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 1 further comprising: controlling sent data from a firmware control hub in the mobile information handling device.

6. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 2 further comprising: controlling sent data from a firmware control hub in the mobile information handling device.

7. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 3 further comprising: controlling sent data from a firmware control hub in the mobile information handling device.

8. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 1 wherein data is transmitted along a system management bus.

9. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 2 wherein data is transmitted along a system management bus.

10. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 3 wherein data is transmitted along a system management bus.

11. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 4 wherein data is transmitted along a system management bus.

12. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 5 wherein data is transmitted along a system management bus.

13. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 6 wherein data is transmitted along a system management bus.

14. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 7 wherein data is transmitted along a system management bus.

15. (Currently Amended) A mobile information handling device wherein a memory in a battery unit powering the mobile information handling device is reprogrammed comprising:
a processor;
a computer readable medium coupled to the processor; and

computer code, encoded in the computer readable medium configured to cause the processor to:

assign a predetermined data word to an available address in memory;

receive data in a non-reprogrammable section of the memory;

modify a programmable section of the memory if the received data

complies with the predetermined data word; and

perform a checksum of registers in the memory, wherein the information handling device includes:

a monitor coupled to the processor to determine the battery unit updating requirements; and

a flash device coupled to the processor to provide an updated battery unit configuration;

the battery unit including a first and a second battery, the first battery providing

power to the device while the second battery recharges; and

a keyboard controller coupled to the device to determine which battery provides
the power.

16. (Original) The mobile information handling device of claim 15 wherein the processor further:
multiplexes the received data with a control signal before the non-programmable section of the memory receives the data.

17. (Original) The mobile information handling device of claim 15 wherein the processor further:
performs additional security measures prior to modifying the programmable section of the memory.

18. (Original) The mobile information handling device of claim 16 wherein the processor further:

performs additional security measures prior to modifying the programmable section of the memory.

19. (Original) The mobile information handling device of claim 16 wherein a firmware control hub in the mobile information handling device controls sent data.

20. (Original) The mobile information handling device of claim 17 wherein a firmware control hub in the mobile information handling device controls sent data.

21. (Original) The mobile information handling device of claim 18 wherein a firmware control hub in the mobile information handling device controls sent data.

22. (Original) The mobile information handling device of claim 15 wherein data is transmitted along a system management bus.

23. (Original) The mobile information handling device of claim 16 wherein data is transmitted along a system management bus.

24. (Original) The mobile information handling device of claim 17 wherein data is transmitted along a system management bus.

25. (Original) The mobile information handling device of claim 18 wherein data is transmitted along a system management bus.

26. (Original) The mobile information handling device of claim 19 wherein data is transmitted along a system management bus.

27. (Original) The mobile information handling device of claim 20 wherein data is transmitted along a system management bus.

28. (Original) The mobile information handling device of claim 21 wherein data is transmitted along a system management bus.

29. (Cancelled).

30. (Cancelled).

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